20020616.ba v03_n352.bam.20020616

>From ???@??? Sun Jun 16 00:45:22 2002 -0500
Message-Id: <200206160545.g5G5j6pT011876@sco.theporch.com>
Date: Sun, 16 Jun 2002 00:44:43 CDT
From: Old Tube Radios <boatanchors@theporch.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: BOATANCHORS digest 3352

BOATANCHORS Digest 3352

Topics covered in this issue include:

Date: Fri, 14 Jun 2002 13:14:37 -0400 (EDT)
From: "Marty's Refl. Drop" <polepeeg@aa4rm.ba-watch.org>
Message-Id: <200206141714.NAA19414@aa4rm.ba-watch.org>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Pix of ASB-x install in SBD???

CAF has a SBD-beaut @ Peachtree City west of Atlanta. Flies straight & true & howls in a dive when brakes pulled. Just right.

I gave 'em a good ASB-7 display 2 wk.s back.

Douglas Dauntless erection manual (someone laff?) has install pix of it's under-wing "60 cm" steerable yagis. But no fotos

Know from a pilot interview the gunner ran the ASB fm rear seat. But 5" display wud completely use up his "dashboard top."

ASB install and operator's manuals show nothing either, but say there was a 3" remote display for a pilot. Wonder if that was used as main display in SBD.

Yaddada, yaddada, yaddadda.

Date: Fri, 14 Jun 2002 13:29:40 -0400 (EDT)
From: "Marty's Refl. Drop" <polepeeg@aa4rm.ba-watch.org>
Message-Id: <200206141729.NAA21036@aa4rm.ba-watch.org>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: AR 8506-B

Ok all the superb detail on the 8506

Where'd the 8505 come in?

Message-ID: <3D0A2C83.4E1D9FC2@ix.netcom.com>
Date: Fri, 14 Jun 2002 12:48:51 -0500

From: David Stinson <arc5@ix.netcom.com>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: WWII Telephone Switchboard
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

A few years ago, someone on this list bought a WWII
field telephone switchboard from me.
The headset with the switchboard was missing the microphone
cover and element. I just found them in a box.
If you are still alive and will email me, I'll send
them to you.
73 Dave S.

Date: Fri, 14 Jun 2002 14:04:12 -0400
From: Smith <smithab11@comcast.net>
Subject: TCS Rack
To: Old Tube Radios <boatanchors@theporch.com>
Message-id: <002901c213cd$e35ad740$06f12144@dover01.de.comcast.net>
MIME-version: 1.0
Content-type: text/plain; charset=Windows-1252
Content-transfer-encoding: 7BIT

Greetings

Anyone have any of the mobile mounts/racks/enclosures for the TCS WWII
transmitter or receiver?

Breck K4CHE
http://mywebpages.comcast.net/smithab11/

Date: Fri, 14 Jun 2002 12:16:41 -0700
Message-ID: <002b01c213d8$03da5860$0300000a@oemcomputer>
From: "Ed Sharpe" <esharpe@uswest.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Pix of ASB-x install in SBD???
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

but... where are the pictures?

ed
----- Original Message -----

From: "Marty's Refl. Drop" <polepeeg@aa4rm.ba-watch.org>
To: "Old Tube Radios" <boatanchors@theporch.com>
Sent: Friday, June 14, 2002 10:14 AM
Subject: Pix of ASB-x install in SBD???

>
>
> CAF has a SBD-beaut @ Peachtree City west of Atlanta. Flies straight
> & true & howls in a dive when brakes pulled. Just right.
>
> I gave 'em a good ASB-7 display 2 wk.s back.
>
> Douglas Dauntless erection manual (someone laff?) has install pix of
> it's under-wing "60 cm" steerable yagis. But no fotos
>
> Know from a pilot interview the gunner ran the ASB fm rear seat. But 5"
> display wud completely use up his "dashboard top."
>
> ASB install and operator's manuals show nothing either, but say there was
> a 3" remote display for a pilot. Wonder if that was used as main display
> in SBD.
>
> Yaddada, yaddada, yaddadda.
>
>
>

Message-Id: <4.3.2.7.2.20020615060810.00ae96c0@mail.sover.net>
Date: Sat, 15 Jun 2002 06:10:40 -0400
To: Old Tube Radios <boatanchors@theporch.com>
From: Michael Crestohl <mc@sover.net>
Subject: FS: 110VAC Dow Key Antenna Relay
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Hi Gang:

I have this nice Dow-Key antenna relay that is surplus to my needs. It is the 110 VAC version and has the SO-239 aka UHF connectors. It is used but works well. I am asking $25.00 plus shipping costs. If interested please reply by e-mail. If you don't get an answer right away don't be concerned - I will be away until tomorrow evening.

73,

Michael Crestohl,

W1RC

mc@sover.net

From: "Richard Dillman" <ddillman@igc.org>
To: Old Tube Radios <boatanchors@theporch.com>
Date: Fri, 14 Jun 2002 19:20:22 -0700
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Subject: Station KPH On The Air
Message-ID: <3D0A41F6.27329.28FCC6C@localhost>

Historic Coast Station KPH Will Return To The Air On The Fifth Anniversary of Its Closure

========

KPH, the famous ex-RCA coast station located north of San Francisco, will return to the air for commemorative broadcasts 5 years after the station was shut down and left for dead.

Operations will begin at 1400PDT (2100GMT) on 30 June when the revived KPH will resume its watch over the airwaves at the hour the close down message was sent from the station in 1997.

Commercial operators, including former members of the KPH staff, will be at the keys.

This on-the-air event is intended to honor the men and women who followed the radiotelegraph trade at KPH where the "key still clicks" in the best tradition of maritime radio.

The original KPH transmitters, receivers and antennas will be used to activate frequencies in all the commercial maritime HF bands and on MF as well.

The operators will be located at the KPH receiving station in Pt. Reyes, CA while the transmitters and transmitter staff will be at the transmitting station 18 miles south in Bolinas, CA.

KPH will transmit on 4247.0, 6477.5, 8642.0, 12808.5, 17016.5 and 22477.5kc on HF and on 500 and 426kc on MF. These frequencies have been made available through the generous cooperation of Globe Wireless, the current owner of the KPH license.

The transmitters will all be Henry commercial units, the same transmitters that KPH used on its last day of operation from Bolinas and Pt. Reyes. (KPH Morse service continued from the Globe Wireless master station at Half Moon Bay, CA until 1999.)

KPH operators will listen for calls from ships on 4184.0, 6276.0, 8368.0, 12552.0, 16736.0 and 22280.5kc on HF and 500kc on MF.

KPH will send weather and press broadcasts as well as commemorative messages, many of which will be sent by hand. At other times the KPH "wheel" will be sent to mark the transmitting frequencies.

KPH is operated by the Maritime Radio Historical Society in cooperation with the Point Reyes National Seashore, part of the US National Park Service.

Further information about the KPH restoration project may be found on the Maritime Radio Historical Society Web site at http://www.radiomarine.org or by contacting Richard Dillman (415-255-9221 x 317) or Tom Horsfall (510-237-9535).

Reception reports may be sent to:

Ms. DA Stoops
P.O. Box 381
Bolinas CA 94924-0381
USA

NEXT ON THE AIR EVENT: Night of Nights III, 12 July PDT when KPH *and* KFS will return to the air on the third anniversary of the last commercial Morse message in North America.

VY 73

RD

Richard Dillman, W6AWO
Member of the Maritime Radio Historical Society
http://www.radiomarine.org
Collector of Heavy Metal:
Harleys, Willys and Radios over 100lbs.

From: "Richard Dillman" <ddillman@igc.org>
To: Old Tube Radios <boatanchors@theporch.com>
Date: Fri, 14 Jun 2002 19:39:33 -0700
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Subject: Re: AR 8506-B
Message-ID: <3D0A4675.4397.2A15F75@localhost>

On 14 Jun 2002, at 13:29, Marty's Refl. Drop wrote:

> Ok all the superb detail on the 8506
>
> Where'd the 8505 come in?

Yer welcome. The AR-8506 was a stand-alone Radiomarine receiver with the same general coverage as the AR-8506-B. But it was from a previous generation of Radiomarine equipment that was produced up to 1942. I'm sorry to say that we have no experience with this generation of equipment.

VY 73,

RD

Richard Dillman, W6AWO
Member of the Maritime Radio Historical Society
http://www.radiomarine.org
Collector of Heavy Metal:
Harleys, Willys and Radios over 100lbs.

Message-Id: <5.1.0.14.2.20020614220612.0b41feb8@admin.muohio.edu>
Date: Fri, 14 Jun 2002 22:09:39 -0400
To: Old Tube Radios <boatanchors@theporch.com>
From: "James C. Garland" <4cx250b@muohio.edu>
Subject: Cubic Astro 103
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Hi Gang,
I don't normally do this, but check out this EBay ad for a restored Cubic Astro 103 transceiver. This (along with its accompanying website) has got to be one of the most complete and interesting EBay ads I've ever seen!
http://cgi.ebay.com/ws/eBayISAPI.dll?ViewItem&item=1358126301

73,
Jim Garland W8ZR

Message-ID: <20020615001753.89914.qmail@web11501.mail.yahoo.com>
Date: Fri, 14 Jun 2002 17:17:53 -0700 (PDT)
From: John Mac Aulay <jmac6235@yahoo.com>
Subject: Command Set Transmitter Behavior
To: Old Tube Radios <boatanchors@theporch.com>
MIME-Version: 1.0
Content-Type: multipart/alternative; boundary="0-1758305826-1024100273=:87417"

--0-1758305826-1024100273=:87417
Content-Type: text/plain; charset=us-ascii

I just modified a T-22/ARC-5 (7.0-9.1 Mc) Command Set transmitter for 12 volt filaments and 1625 cathode keying. The oscillator is not keyed in this configuration, it runs continuously. I have a 480 v plate supply for the 1625s, 250v regulated supply on the 1625 screens and a 205v zener diode stack voltage divider for the 1626 oscillator plate.

The Problem: When the oscillator is running alone, it will produce a signal at the frequency matching the dial setting, e.g. 7.020 Mc. (It's old enough to work in Mc. ;-) When the 1625 final is keyed, the frequency of the oscillator shifts up about 8 Kc, e.g. 7.028 Mc. There is a very slight chirp when it is keyed. The signal is stable, no jumping or short term drift, under both conditions. The frequency does not shift with antenna loading changes. A volt meter does not show any changes in oscillator plate or final screen voltages when keyed.

Has anyone experienced this problem or have any thoughts on how to solve it?

Thanks & 73

Mac, WQ8U

--0-1758305826-1024100273=:87417
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

* *
*   ---REMAINDER OF MESSAGE TRUNCATED---   *

--0-1758305826-1024100273=:87417--

Date: Fri, 14 Jun 2002 14:39:10 -0700
Subject: BBC news/ electroplating/project
From: "John Gibson" <gibsonj@mindspring.com>
To: Old Tube Radios <boatanchors@theporch.com>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit
Message-Id: <E17IyoU-0003IB-00@granger.mail.mindspring.net>

Years ago I would often listen to the old BBC Overseas Service as I worked on an electronic project on the workbench in the evenings. I would love to obtain a recording of the old style BBC news, starting with the signature tune (Lillyburero), followed by the time pips, then a male announcer "This is London" followed by the news. Your reasonable expenses refunded of course.

My buddy has the same model receiver that I have except that his is missing the dial escutcheon and he cannot locate one anywhere. I am thinking of making a reproduction by making a molding of mine and then electroplating the mold. Thought I would start off with copper then brass plate it. This is a new technique for me and I was wondering how to get the hardest metal - a long low plating current or use a high current for a shorter time. What would be a suitable current per square inch?

Current project. Restoring a Ultra "Blue Fox" 1931 domestic radio I just brought back from a vacation in England. Interesting 2 valves plus rectifier set, consists of regen triode, transformer coupled to output pentode - needs recapping.

From: "Ron" <ab5wg@mylinuxisp.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Drake 2B Filter Info--Henry Radio
Date: Fri, 14 Jun 2002 15:45:00 -0500
Message-ID: <HEEMKIIEIADKAMMEDLOCGEHLCMAA.ab5wg@mylinuxisp.com>
MIME-Version: 1.0

Content-Type: multipart/alternative;
     boundary="----=_NextPart_000_000C_01C213BA.7169D040"

This is a multi-part message in MIME format.

------=_NextPart_000_000C_01C213BA.7169D040
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Any Drake or Henry Radio historians on this group know anything about
mechanical filters that Henry Radio made for the Drake 2B? It is a modular
unit on a copper chassis complete with tube. Mounts directly behind the
crystal calibrator chassis.

If anyone has any info on this filter I would like to hear from them.

Thanks,

Ron, AB5WG

------=_NextPart_000_000C_01C213BA.7169D040
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

------=_NextPart_000_000C_01C213BA.7169D040--

Date: Sat, 15 Jun 2002 17:42:29 -0700
From: Arden Allen <gumbear@pacbell.net>
Subject: Re: Command Set Transmitter Behavior
To: Old Tube Radios <boatanchors@theporch.com>
Message-id: <0GXR003POXRV10@mta7.pltn13.pbi.net>
MIME-version: 1.0
Content-type: text/plain; charset=ISO-8859-1
Content-transfer-encoding: 7bit

Mac;

> ......The Problem: When the oscillator is running alone, it will produce a signal at the frequency matching the dial setting, e.g. 7.020 Mc. (It's old enough to work in Mc. ;-) When the 1625 final is keyed, the frequency of the oscillator shifts up about 8 Kc, e.g. 7.028 Mc. ....

Is the final running at the same frequency as the oscillator (no doubling in osc or pa)?

Arden Allen   KB6NAX   Vallejo, CA   gumbear@pacbell.net

Date: Sat, 15 Jun 2002 18:05:54 -0700
From: Arden Allen <gumbear@pacbell.net>
Subject: S-38, A, B, C, D ....
To: Old Tube Radios <boatanchors@theporch.com>
Message-id: <0GXR003PRXRX10@mta7.pltn13.pbi.net>
MIME-version: 1.0
Content-type: text/plain; charset=ISO-8859-1
Content-transfer-encoding: 7bit

Hallifiles;

I just finished recapping (except the micas) a Hallicrafters S-38 (no suffix) for a friend. It was a pleasure to work on the radio because, as the "cheap" radio in Halli's line, it was well made and had all the right bells and whistles. And it works very nicely too, for its tube count. Having restored (and improved) a Lafayette HE-10, the Japanese quasi-copy of the S-38, it was interesting to work on the source of the inspiration. It must have been a very popular radio in its time.

Having acquired an S-38 (so I thought), which was buried in my Sanctum Boatanchorus, I was curious to take a look at my forgotten acquistion. Looking at the front panel I was surprised to see it was an S-38A. And then surprise was followed by shock. "I've been cheated"! Cheated by Hallicrafters! The "A" model is a cheapified radio. Hallicrafters ripped out the BFO tube, removed the BFO tune control, and just for spite, deleted the noise limiter switch. What guile!!! Boy am I mad. Just to make a buck, a really neat basic radio is hobbled by some SOB bean counter. No wonder my National SW-54 is such a joke of a receiver. And I suppose the B, C, and D models get progressively crummier too. Ain't capitalism wunnerful?

Arden Allen   KB6NAX   Vallejo, CA   gumbear@pacbell.net

Message-ID: <20020616012054.71353.qmail@web11505.mail.yahoo.com>
Date: Sat, 15 Jun 2002 18:20:54 -0700 (PDT)
From: John Mac Aulay <jmac6235@yahoo.com>

Subject: Re: Command Set Transmitter Behavior
To: Old Tube Radios <boatanchors@theporch.com>
MIME-Version: 1.0
Content-Type: multipart/alternative; boundary="0-624773141-1024190454=:69699"

--0-624773141-1024190454=:69699
Content-Type: text/plain; charset=us-ascii

The oscillator is at its fundamental and the final is running straight through, no doubling etc. - plain vanilla Command Set. Also, I have by-passed the B+ to the oscillator on the inside of the rear chassis connector with a 0.01uF to keep RF from getting back into it.
Thanks & 73
Mac, WQ8U
Arden Allen <gumbear@pacbell.net> wrote: Mac;

> ......The Problem: When the oscillator is running alone, it will produce a signal at the frequency matching the dial setting, e.g. 7.020 Mc. (It's old enough to work in Mc. ;-) When the 1625 final is keyed, the frequency of the oscillator shifts up about 8 Kc, e.g. 7.028 Mc. ....

Is the final running at the same frequency as the oscillator (no doubling in osc or pa)?

Arden Allen KB6NAX Vallejo, CA gumbear@pacbell.net

Do You Yahoo!?
Sign-up for Video Highlights of 2002 FIFA World Cup
--0-624773141-1024190454=:69699
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

--0-624773141-1024190454=:69699--

Date: Sat, 15 Jun 2002 20:41:24 -0500 (CDT)
From: Bob Roehrig <broehrig@aurora.edu>
To: Old Tube Radios <boatanchors@theporch.com>
cc: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: S-38, A, B, C, D ....
Message-ID: <Pine.OSF.4.43.0206152039530.450814-100000@mail.aurora.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Sat, 15 Jun 2002, Arden Allen wrote:

> Hallicrafters! The "A" model is a cheapified radio. Hallicrafters ripped
> out the BFO tube, removed the BFO tune control, and just for spite, deleted
> the noise limiter switch. What guile!!! Boy am I mad. Just to make a
> buck, a really neat basic radio is hobbled by some SOB bean counter. No
> wonder my National SW-54 is such a joke of a receiver. And I suppose the
> B, C, and D models get progressively crummier too. Ain't capitalism
> wunnerful?

I believe all the later 38 models were "cheapified". My first receiver as
a ham was a S-38-C. Dunno how I ever got along with it.

73   Bob Roehrig   K9EUI
Aurora University Telecom/IS dept.
630-844-4898   broehrig@aurora.edu

Message-ID: <006101c214db$270186c0$78a0cdd1@ebjr>
From: "Sandy, W5TVW" <ebjr@i-55.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Command Set Transmitter Behavior
Date: Sat, 15 Jun 2002 21:11:00 -0500
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I ran SCR-27N and ARC-5 transmitters for several years when I was in High school.
The frequency shift was present with my transmitters but no chirp. I did regulate
the B+ going to the oscillator plate and final screens though via a VR-105/VR-150
combination along with a large voltage divider resistor. Another dodge would be
to run the 1625 screens and oscillator off a seperate regulated supply. Today if
I
did
ARC-5 rigs again, I'd have a tendency to use the same scheme used in the Heathkit
transceiver/Hallicrafters transceiver, etc. power supplies and derive dual

voltages
from
a single transformer, but still regulating the oscillator final screen voltages.

73,
Sandy W5TVW
----- Original Message -----
From: "John Mac Aulay" <jmac6235@yahoo.com>
To: "Old Tube Radios" <boatanchors@theporch.com>
Sent: Friday, June 14, 2002 7:17 PM
Subject: Command Set Transmitter Behavior

|
| I just modified a T-22/ARC-5 (7.0-9.1 Mc) Command Set transmitter for 12 volt filaments and 1625 cathode keying. The oscillator is not keyed in this configuration, it runs continuously. I have a 480 v plate supply for the 1625s, 250v
regulated supply on the 1625 screens and a 205v zener diode stack voltage divider for
the 1626 oscillator plate.
|
| The Problem: When the oscillator is running alone, it will produce a signal at the
frequency matching the dial setting, e.g. 7.020 Mc. (It's old enough to work in Mc.
;-) When the 1625 final is keyed, the frequency of the oscillator shifts up about 8
Kc, e.g. 7.028 Mc. There is a very slight chirp when it is keyed. The signal is stable, no jumping or short term drift, under both conditions. The frequency does not shift with antenna loading changes. A volt meter does not show any changes in oscillator plate or final screen voltages when keyed.
|
| Has anyone experienced this problem or have any thoughts on how to solve it?
|
| Thanks & 73
|
| Mac, WQ8U
|
|
|
| ---------------------------------
| Do You Yahoo!?
| Sign-up for Video Highlights of 2002 FIFA World Cup

Message-ID: <015601c214dd$2bd4f5e0$6501a8c0@hp>
From: "Garey Barrell" <k4oah@mindspring.com>

To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Drake 2B Filter Info--Henry Radio
Date: Sat, 15 Jun 2002 22:26:07 -0400
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Ron -

It was called the DMF-2 Mechanical Filter Modification Kit, and sold for $29. The AF Gain control was replaced with one having a push-pull switch. The switch was used to parallel a trimmer cap across the BFO inductor to shift the BFO from one sideband to the other. Very simple circuit, a mechanical filter with two IF cans to isolate and match and a single 6BA6 to compensate for the filter switch. Went between the 2nd and 3rd mixers. The schematic is dated September 13, 1963. It was designed for the 2-A/B, but was suggested for the 75A-2 (Bet that burned Art Collins almost as much as the Drake PTO!), SX-71, HQ-129X / 140X / 150 / 160 / 170, NC-183 and HRO-50 / 60. It did require drilling a 1/2" hole through the chassis using "extreme care when drilling in order to avoid damage to the Band Pass Assy.", (and AF output transformer,) "on chassis underside."

I have a one-page ad for this unit. Also have a four-page installation sheet with schematic.

73, Garey - K4OAH
Atlanta

----- Original Message -----
From: "Ron" <ab5wg@mylinuxisp.com>
To: "Old Tube Radios" <boatanchors@theporch.com>
Sent: Friday, June 14, 2002 4:45 PM
Subject: Drake 2B Filter Info--Henry Radio

> Any Drake or Henry Radio historians on this group know anything about
> mechanical filters that Henry Radio made for the Drake 2B? It is a modular
> unit on a copper chassis complete with tube. Mounts directly behind the
> crystal calibrator chassis.
>
> If anyone has any info on this filter I would like to hear from them.
>

> Thanks,
>
> Ron, AB5WG
>

Date: Sat, 15 Jun 2002 22:07:51 -0700
From: Arden Allen <gumbear@pacbell.net>
Subject: Re: Command Set Transmitter Behavior
To: Old Tube Radios <boatanchors@theporch.com>
Message-id: <0GXS004VK8WPCD@mta5.snfc21.pbi.net>
MIME-version: 1.0
Content-type: text/plain; charset=ISO-8859-1
Content-transfer-encoding: 7bit

Mac replies;

> The oscillator is at its fundamental and the final is running straight through, no doubling etc. - plain vanilla Command Set. Also, I have by-passed the B+ to the oscillator on the inside of the rear chassis connector with a 0.01uF to keep RF from getting back into it.

I was afraid of that. This is another example of a circuit with a hidden schematic. When you key down the final amplifier, via circulating currents and capcitive coupling (God knows where and how) , becomes part of the oscillator circuit. The oscillator tank's loading changes and the frequency shifts. The way around that is to double in the plate circuit of the oscillator, electron coupled style. There is a similar problem with my DX-40. When running straight through and tuning the pa plate through resonance, the oscillator quits and won't key. Obviously, the feedback the oscillator needs to oscillate is suppressed by an out of phase component coming from the pa plate circuit. Dealing with this kind of problem is what breadboarding is all about!

Arden Allen KB6NAX Vallejo, CA gumbear@pacbell.net

From: "Hue Miller" <kargo_cult@msn.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Regenode detector and other marvels
Date: Sat, 15 Jun 2002 23:31:21 -0700
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Message-ID: <OE161xDtfWRdO1jRTsY0002f5e7@hotmail.com>

Sometimes reading in olde mags, claims about "This is the most

smooth performing regen detector I have ever tried", i think there's
a fair amount of nonscientific hoakum being touted. It might just
be the best the author has built - maybe all the previous efforts
were poorly executed.

For example, the claims for the "Regenode" circuit, for which i have
seen 2 articles, which both appeared in the early postwar years,
claim improved selectivity and smoothness of regeneration.
This circuit goes like this: antenna to tuned circuit- to cathode
follower circuit - to triode grid leak detector - feedback coil to
grid of first stage. However, there's still nothing to isolate the
tuned
ckt from the antenna - a major sin of any regen circuit claiming to
be superior, IMO - and: since the usual grid leak resistor is on the
range of 1 - 5 megohms, i don't believe that is any kind of real
limiting factor on coil Q. In other words, i don't believe any
substantial, noticeable gain in selectivity would be gained, by
unloading the tuned circuit of a 1- 5 megohms load. And i don't
see any way that the circuit performs smoother. This is a function
of the tube used, and the amount of feedback, and the control system.

BTW, the 2-tube Ocean Hopper (6J5 + 117P7), manual explains the
use of a lowly triode as offering more stable, smooth regeneration,
over
a pentode, which might seem to be the more instinctual choice, if you
want to maximize gain, in such a simple set. If i was designing it,
i
would have gone for some pentode, like maybe? 12SK7. Would that
have been an improvement over the OH's 6J5? I notice almost every
"late" regen design, i mean late 30s and early 40s, went with a
pentode
detector.
Hue Miller

From: "Hue Miller" <kargo_cult@msn.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: ID these filter units?
Date: Sat, 15 Jun 2002 23:45:27 -0700
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Message-ID: <OE155CIv3LjwNqx2hA70002c727@hotmail.com>

I have these filter units, specs unknown to me. Can someone
please help spec these ?
Tnx, Hue Miller

1. C-F Networks No. 21 5-35 Quartz Filter Network

2. Sherold Filters Inc. 17507 Part No. 001-0360

3. Brush Crystal Devices Type A 465 kc "Transfilter"
with octal tube base. (Is this just a crystal or is there
more to it?)

End of BOATANCHORS Digest 3352
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